

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/577, 688  
Source: IFWP  
Date Processed by STIC: 05/11/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,688

TIME: 11:20:00

Input Set : A:\TESHP103US.txt

Output Set: N:\CRF4\05112006\J577688.raw

3 <110> APPLICANT: TOAGOSEI CO., LTD  
 5 <120> TITLE OF INVENTION: ANTIMICROBIAL PEPTIDE AND USE THEREOF  
 7 <130> FILE REFERENCE: TESHPI03US  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/577,688  
 C--> 9 <141> CURRENT FILING DATE: 2006-04-28  
 9 <150> PRIOR APPLICATION NUMBER: JP 2003-369595  
 10 <151> PRIOR FILING DATE: 2003-10-29  
 12 <160> NUMBER OF SEQ ID NOS: 38  
 14 <170> SOFTWARE: PatentIn version 3.1  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 6  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: Homo sapiens  
 21 <400> SEQUENCE: 1  
 23 Leu Met Trp Trp Met Leu  
 24 1 5  
 27 <210> SEQ ID NO: 2  
 28 <211> LENGTH: 6  
 29 <212> TYPE: PRT  
 30 <213> ORGANISM: Drosophila melanogaster  
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 35 1 5  
 38 <210> SEQ ID NO: 3  
 39 <211> LENGTH: 6  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Arabidopsis thaliana  
 43 <400> SEQUENCE: 3  
 45 Cys Leu Phe Trp Leu Leu  
 46 1 5  
 49 <210> SEQ ID NO: 4  
 50 <211> LENGTH: 6  
 51 <212> TYPE: PRT  
 52 <213> ORGANISM: Saccharomyces cerevisiae  
 54 <400> SEQUENCE: 4  
 56 Leu Ile Trp Tyr Leu Leu  
 57 1 5  
 60 <210> SEQ ID NO: 5  
 61 <211> LENGTH: 6  
 62 <212> TYPE: PRT  
 63 <213> ORGANISM: Haloarcula marismortui  
 65 <400> SEQUENCE: 5  
 67 Val Val Tyr Trp Leu Leu

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73 <212> TYPE: PRT
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82 <210> SEQ ID NO: 7
83 <211> LENGTH: 6
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85 <213> ORGANISM: Pediococcus acidilactici
87 <400> SEQUENCE: 7
89 Leu Ile Thr Ser Lys Met
90 1      5
93 <210> SEQ ID NO: 8
94 <211> LENGTH: 6
95 <212> TYPE: PRT
96 <213> ORGANISM: Acanthamoeba castellanii
98 <400> SEQUENCE: 8
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101 1      5
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 6
106 <212> TYPE: PRT
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116 <211> LENGTH: 14
117 <212> TYPE: PRT
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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137 <400> SEQUENCE: 11
139 Arg Lys Lys Lys Arg Lys Val Leu Met Trp Trp Met Leu
140 1      5      10
143 <210> SEQ ID NO: 12
144 <211> LENGTH: 13

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146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
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160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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165 <400> SEQUENCE: 13
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176 <220> FEATURE:
177 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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179 <400> SEQUENCE: 14
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186 <211> LENGTH: 15
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188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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199 <210> SEQ ID NO: 16
200 <211> LENGTH: 15
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202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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210 1          5          10          15
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215 <212> TYPE: PRT
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:

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219 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide group

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 235 <400> SEQUENCE: 18  
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 241 <210> SEQ ID NO: 19  
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 243 <212> TYPE: PRT  
 244 <213> ORGANISM: Artificial Sequence  
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 251 Arg Lys Lys Lys Arg Lys Val Leu Leu Thr Ala Lys Met Arg  
 252 1 5 10  
 255 <210> SEQ ID NO: 20  
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 257 <212> TYPE: PRT  
 258 <213> ORGANISM: Artificial Sequence  
 260 <220> FEATURE:  
 261 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide  
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 272 <213> ORGANISM: Artificial Sequence  
 274 <220> FEATURE:  
 275 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide  
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 277 <400> SEQUENCE: 21  
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 283 <210> SEQ ID NO: 22  
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 285 <212> TYPE: PRT  
 286 <213> ORGANISM: Artificial Sequence  
 288 <220> FEATURE:  
 289 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide  
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 291 <400> SEQUENCE: 22  
 293 Arg Lys Arg Lys Arg Lys Arg Leu Met Trp Trp Met Leu  
 294 1 5 10

297 <210> SEQ ID NO: 23

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298 <211> LENGTH: 14
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
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303 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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307 Arg Ile Arg Lys Lys Leu Arg Leu Met Trp Trp Met Leu Arg
308 1          5          10
311 <210> SEQ ID NO: 24
312 <211> LENGTH: 13
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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319 <400> SEQUENCE: 24
321 Leu Lys Arg Lys Leu Gln Arg Leu Met Trp Trp Met Leu
322 1          5          10
325 <210> SEQ ID NO: 25
326 <211> LENGTH: 14
327 <212> TYPE: PRT
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Designed antimicrobial peptide
333 <400> SEQUENCE: 25
335 Arg Lys Lys Lys Arg Lys Val Leu Met Trp Trp Met Leu Arg
336 1          5          10
339 <210> SEQ ID NO: 26
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342 <213> ORGANISM: Artificial Sequence
344 <220> FEATURE:
345 <223> OTHER INFORMATION: Designed antimicrobial peptide containing a terminal amide
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358 <220> FEATURE:
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368 <211> LENGTH: 15
369 <212> TYPE: PRT
370 <213> ORGANISM: Artificial Sequence
372 <220> FEATURE:

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/577,688

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Input Set : A:\TESHP103US.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date